A2575-1 12/1/82

American Petroleum Institute
2101 L Street, Northwest
Washington, D.C. 20037

weekly statistical bulletin

STATISTICS DEPARTMENT
VOL. 63 For Week Ended NOVEMBER 19, 1982 NO. 46

SUMMARY

(In thousands of 42 gallon barrels per day except stocks which are in thousands of barrels)

ALL DATA ARE ESTIMATES MADE BY THE API BASED ON DATA FROM REPORTING COMPANIES.

	Current Week Ending: 11/19/82	Last Week Ending: 11/12/82	Last Year Week Ending: 11/20/81	Change From Last Week	Change From Last Year
Refinery Operations					
Input to crude oil distillation units	12,338	12,165	12,527	+ 173	- 189
Operable capacity	16,663	16,663	18,230	0	- 1,567
Percent operated	74.0	73.0	68.7		
Motor Gasoline					
Motor gasoline production	6,273	6,130	6,615	+ 143	- 342
Refinery shipments of unleaded motor gasoline	3,525	3,397	3,409	+ 128	+ 116
Total Motor gasoline stocks	228,356	230,514	242,124	- 2,158	- 13,768
Finished unleaded motor gasoline stock	93,592	94,546	94,410	- 954	- 818
Distillate Fuel Oil					
Distillate fuel oil production	2,906	2,918	2,649	- 12	+ 257
Distillate fuel oil stocks	180,084	176,561	195,186	+ 3,523	- 15,102
Residual Fuel Oil					
Residual fuel oil production	1,080	948	1,120	+ 132	- 40
Residual fuel oil stocks	63,656	61,489	79,368	+ 2,167	- 15,712
Imports					
Crude oil imports	4,135	2,902	4,477	+ 1,233	- 342
Product imports	1,803	1,233	1,511	+ 570	+ 292
Crude Oil Stocks					
Crude oil stocks	347,498	339,223	372,106	+ 8,275	- 24,608

TOTAL U.S. DATA FOR THE CURRENT WEEK'S REFINERY OPERATIONS, PRODUCTION, STOCKS AND IMPORTS ARE NOW AVAILABLE THROUGH A PRE-RECORDED TELEPHONE MESSAGE. THE TELEPHONE NUMBER FOR THIS SERVICE IS AREA CODE (202) 457-7147.

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STATISTICS DEPARTMENT
VOL. 63 For Week Ended NOVEMBER 19, 1982 NO. 46

U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Refinery Input	Crude Oil Runs to Distillation Units	Foreign Crude Runs[1]	Input to Crude Oil Distillation Units	Operable Capacity	% Operated
East Coast	1,256●	1,144●	1,084●	1,176●	1,569	75.0●
Appal. No. 1	66	60	--	61	98	62.2
DISTRICT 1 TOTAL	1,322●	1,204●	1,084●	1,237●	1,667	74.2●
Appal. No. 2	60	55	1	60	66	90.9
Ind., Ill., Ky.	1,824	1,642	454	1,695	2,399	70.7
Minn., Wis., Daks.	285	263	113	281	293	95.9
Okla., Kans., Mo.	805	725	38	736	858	85.8
DISTRICT 2 TOTAL	2,974	2,685	606	2,772	3,616	76.7
Inland Texas	520	467	12	512	592	86.5
Texas Gulf Coast	3,258	2,883	973	2,975	3,993	74.5
La. Gulf Coast	2,293	1,981	750	2,108	2,728	77.3
N. La. and Ark.	185	165	11	172	314	54.8
New Mexico	116	79	--	84	117	71.8
DISTRICT 3 TOTAL	6,377	5,575	1,746	5,851	7,744	75.6
DISTRICT 4 TOTAL	449	427	47	434	553	78.5
DISTRICT 5 TOTAL	2,150	2,004	170	2,044	3,083	66.3
TOTAL U.S.	13,272	11,895	3,653	12,338	16,663	74.0
TOTAL U.S. Weeks Ended:						
NOV. 12, 1982	13,047●	11,810●	3,512●	12,165●	16,663	73.0●
NOV. 20, 1981	13,270	12,243	4,067	12,527	18,230	68.7
DISTRICTS 1–4 Weeks Ended:						
NOV. 19, 1982	11,122	9,891	3,483	10,294	13,580	75.8
NOV. 12, 1982	10,914●	9,802●	3,381●	10,120●	13,580	74.5●
NOV. 20, 1981	11,072	10,182	3,790	10,410	15,068	69.1

[1] Included in the Crude Oil Runs to Distillation Units.

● SEE REVISIONS ON PAGE 7

API WEEKLY STATISTICAL BULLETIN
Week Ended *NOVEMBER* 19, 1982

U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil
East Coast	586	398	9	11	19	332	115
Appal. No. 1	23	11	1	2	--	18	4
DISTRICT 1 TOTAL	609	409	10	13	19	350	119
Appal. No. 2	32	19	--	3	--	12	2
Ind., Ill., Ky.	930	560	11	108	39	368	61
Minn., Wis., Daks.	154	72	3	6	--	80	12
Okla., Kans., Mo.	445	193	8	24	4	249	13
DISTRICT 2 TOTAL	1,561	844	22	141	43	709	88
Inland Texas	256	138	27	19	7	121	22
Texas Gulf Coast	1,448	823	26	209	47	767	226
La. Gulf Coast	1,082	620	9	233	45	418	231
N. La. and Ark.	52	19	5	--	--	47	11
New Mexico	56	20	7	1	5	34	4
DISTRICT 3 TOTAL	2,894	1,620	74	462	104	1,387	494
DISTRICT 4 TOTAL	248	91	13	23	3	105	10
DISTRICT 5 TOTAL	961●	561	49	179	5	355	369
TOTAL U.S.	6,273	3,525	168	818	174	2,906	1,080
TOTAL U.S. Weeks Ended:							
NOV. 12, 1982	6,130●	3,397	190	863	129	2,918	948
NOV. 20, 1981	6,615	3,409	208	728	143	2,649	1,120
DISTRICTS 1—4 Weeks Ended:							
NOV. 19, 1982	5,312	2,964	119	639	169	2,551	711
NOV. 12, 1982	5,178	2,872	142	640	125	2,562	669
NOV. 20, 1981	5,573	2,862	156	491	139	2,335	802

[1] Refinery shipments only.
[2] Includes Grade No. 4 fuel oil.

● *SEE REVISIONS ON PAGE 7*

API WEEKLY STATISTICAL BULLETIN
Week Ended *NOVEMBER* 19, 1982

STOCKS OF SELECTED PRODUCTS

(In thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil[2]	Residual Fuel Oil	Unfinished Oils
New England	5,744	3,040	93	627	1,175	18,067	2,797	--
Central Atlantic	28,866	13,205	227	5,450	2,440	50,111●	25,082	13,726
Lower Atlantic	27,535	14,575	64	3,824	1,491	16,499	4,788	436
East Coast	58,033	28,391	361	9,625	4,801	81,667●	32,201	13,154
Appal. No. 1	4,112	2,429	23	276	305	3,010	466	1,008
DISTRICT 1 TOTAL	62,145	30,820	384	9,901	5,106	84,677●	32,667	14,162
Appal. No. 2	2,514	1,161	4	240	353	1,931	345	121
Ind., Ill., Ky.	35,932	14,949	485	4,468	2,173	23,042	3,320	13,862
Minn., Wis., Daks.	6,934	2,660	214	547	119	6,479	430	463
Okla., Kans., Mo.	19,264	7,055	700	2,155	252	13,060	865	6,180
DISTRICT 2 TOTAL	64,644	25,825	1,403	7,410	2,897	44,512	4,960	20,626
Inland Texas	7,898	3,641	594	1,060	58	3,286	351	2,691
Texas Gulf Coast	28,765	9,542	793	4,152	1,643	18,282	7,849	28,179
La. Gulf Coast	19,227	5,529	449	3,117	833	9,840	8,557	16,377
N. La. and Ark.	10,468	5,676	414	1,825	264	6,094	527	1,016
New Mexico	793	400	400	138	33	318	95	475
DISTRICT 3 TOTAL	67,151	24,788	2,650	10,292	2,831	37,820	17,379	48,738
DISTRICT 4 TOTAL	6,815	2,052	351	817	65	3,075	511	2,774
DISTRICT 5 TOTAL	27,601●	10,107	1,304	5,861	194	10,000●	8,139	24,620
TOTAL U.S.	228,356	93,592*	6,092	34,281	11,093	180,084	63,656	110,920
TOTAL U.S. Weeks Ended:								
NOV. 12, 1982	230,514●	94,546	6,246	34,900	10,721	176,561●	61,489	112,849
NOV. 20, 1981	242,124	94,410	6,731	33,230	12,228	195,186	79,368	115,977
DISTRICTS 1—4 Weeks Ended:								
NOV. 19, 1982	200,755	83,485	4,788	28,420	10,899	170,084	55,517	86,300
NOV. 12, 1982	202,608	84,789	4,828	28,913	10,522	167,018●	53,230	88,201
NOV. 20, 1981	212,030	83,464	5,287	27,240	11,976	183,804	69,236	89,951

[1] Included in Total Motor Gasoline stocks.
[2] Includes Grade No. 4 fuel oil

● *SEE REVISIONS ON PAGE 7*
**INCLUDES* 21,623 *BBLS OF FINISHED UNLEADED MOTOR GASOLINE AT REFINERIES AS FOLLOWS:*
DIST. 1: 2,709 *DIST.* 2: 5,063 *DIST.* 3: 8,689 *DIST.* 4: 824 *DIST.* 5: 4,338

API WEEKLY STATISTICAL BULLETIN
Week Ended *NOVEMBER* 19, 1982

ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

Weeks Ended:	Estimated Domestic Production[1] API Monthly	Estimated Domestic Production[1] Latest Dept. of Energy *JULY* 1982	Crude Oil Imports[1] Total	Crude Oil Imports[1] From Canada	Crude Oil Stocks By Location[1]
	----------Daily Average----------				
DISTRICTS 1—4 TOTAL					
NOV. 19, 1982	5,851.6	5,840.0	3,863	188	263,262
NOV. 12, 1982	5,851.6	--	2,887●	170	260,338
NOV. 5, 1982	5,848.0	--	3,285	168	260,605
OCT. 29, 1982	5,848.0	--	3,304	142	258,944
DISTRICT 5 TOTAL					
NOV. 19, 1982	2,766.0	2,816.0	272	--	84,236 *
NOV. 12, 1982	2,766.0	--	15	14	78,885
NOV. 5, 1982	2,809.5	--	359	--	88,689
OCT. 29, 1982	2,809.5	--	208	14	90,847
TOTAL U.S.					
NOV. 19, 1982	8,617.6	8,656.0	4,135	188	347,498 *
NOV. 12, 1982	8,617.6	--	2,902●	184	339,223
NOV. 5, 1982	8,657.5	--	3,644	168	349,274
OCT. 29, 1982	8,657.5	--	3,512	156	349,791
NOV. 20, 1981	8,572.6/A	--	4,477	148	372,106

*INCLUDES 30,144 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

/A DOE ACTUAL FOR NOVEMBER 1981.

● *SEE REVISIONS ON PAGE 7*

LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

Location	Week Ended *NOVEMBER* 19, 1982 Domestic	Foreign	Total	Week Ended *NOVEMBER* 20, 1981 Domestic	Foreign	Total
PAD District 1	3,927	13,174	17,101	5,556	16,277	21,833
PAD District 2	61,524	12,848	74,372	65,920	14,396	80,316
PAD District 3	118,608	40,832	159,440	124,021	43,457	167,478
PAD District 4	10,750	1,599	12,349	15,330	728	16,058
TOTAL PAD DISTRICTS 1—4	194,809	68,453	263,262	210,827	74,858	285,685
PAD District 5	78,904	5,332	84,236 *	78,888	7,533	86,421
TOTAL U.S.	273,713	73,785	347,498 *	289,715	82,391	372,106

[1] See definitional notes, Page 6.

IMPORTS OF PETROLEUM PRODUCTS

(Daily averages in thousands of 42-gallon barrels)

DISTRICT	Total Motor Gasoline	Unleaded Motor Gasoline[1]	Jet Fuel: Naphtha Type	Jet Fuel: Kerosine Type	Kerosine	Distillate Fuel Oil	Grade No. 4 Fuel Oil	Residual Fuel Oil	L.P.G.	Petro-chemical Feedstocks	Special Naphtha	Plant Condensate	Asphalt	Unfinished Oil[2]	Total
New England	--	--	--	--	--	--	--	109	6	--	--	--	--	--	115
Central Atlantic	100	49	10	47	7	98	--	451	3	16	5	--	3	48	788
Lower Atlantic	--	--	--	--	--	--	--	231	--	--	--	--	--	--	231
DISTRICT 1 TOTAL[2]															
NOV. 19, 1982	100	49	10	47	7	98	--	791	9	16	5	--	3	48	1,134
NOV. 12, 1982	104	47	--	3	15	119	--	541	8	--	--	--	1	27	818
NOV. 5, 1982	106	47	5	11	4	75	--	601	6	80	111	--	1	37	1,037
OCT. 29, 1982	223	47	5	12	59	88	--	613	6	4	--	--	2	127	1,139
DISTRICTS 2--4 TOTAL															
NOV. 19, 1982	11	4	--	--	--	2	--	83	270	56	5	11	--	137	575
NOV. 12, 1982	12	1	--	--	--	2	--	80	205	--	8	10	--	7	324
NOV. 5, 1982	17	4	--	--	--	6	--	110	170	80	47	--	--	20	450
OCT. 29, 1982	12	3	--	--	--	5	--	61	193	39	7	7	--	14	338
DISTRICT 5 TOTAL															
NOV. 19, 1982	40	13	2	1	--	5	--	19	15	--	5	--	--	7	94
NOV. 12, 1982	46	14	--	--	--	5	--	10	14	--	--	1	--	15	91
NOV. 5, 1982	47	13	12	12	--	6	--	10	15	25	20	1	--	--	148
OCT. 29, 1982	59	14	1	2	--	7	--	10	14	--	--	1	--	10	104
TOTAL U.S.	151	66	12	48	7	105	--	893	294	72	15	11	3	192	1,803
TOTAL U.S. Weeks Ended:															
NOV. 12, 1982	162	62	--	3	15	126	--	631	227	--	8	11	1	49	1,233
NOV. 5, 1982	170	64	17	23	4	87	--	721	191	185	178	1	1	57	1,635
OCT. 29, 1982	294	64	6	14	59	100	--	684	213	43	7	8	2	151	1,581
NOV. 20, 1981	125	42	4	--	4	164	--	860	313	--	2	11	4	24	1,511

[1] Included in Total Motor Gasoline imports.
[2] See definitional notes, Page 6.

DEFINITIONAL NOTES

Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure continuous operations.

Stocks of unleaded motor gasoline represent only finished, unleaded motor gasoline located at refineries, pipelines and bulk terminals. These stocks are also included in "total motor gasoline stocks." However, a large part of the motor gasoline stocks at refineries consist of components which may be blended to produce either leaded or unleaded motor gasoline. For that reason, these stocks cannot be classified as either finished unleaded or leaded motor gasoline. Therefore, it is incorrect to assume that the difference between total motor gasoline stocks and finished, unleaded motor gasoline stocks is equal to leaded motor gasoline stocks.

Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and Dist. of Col.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month.

Crude Oil Imports

Refinery receipts of foreign origin.
The Total of crude oil imports includes receipts from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but include shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

Imports of unfinished oils represent refinery receipts of foreign origin.

INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorus per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

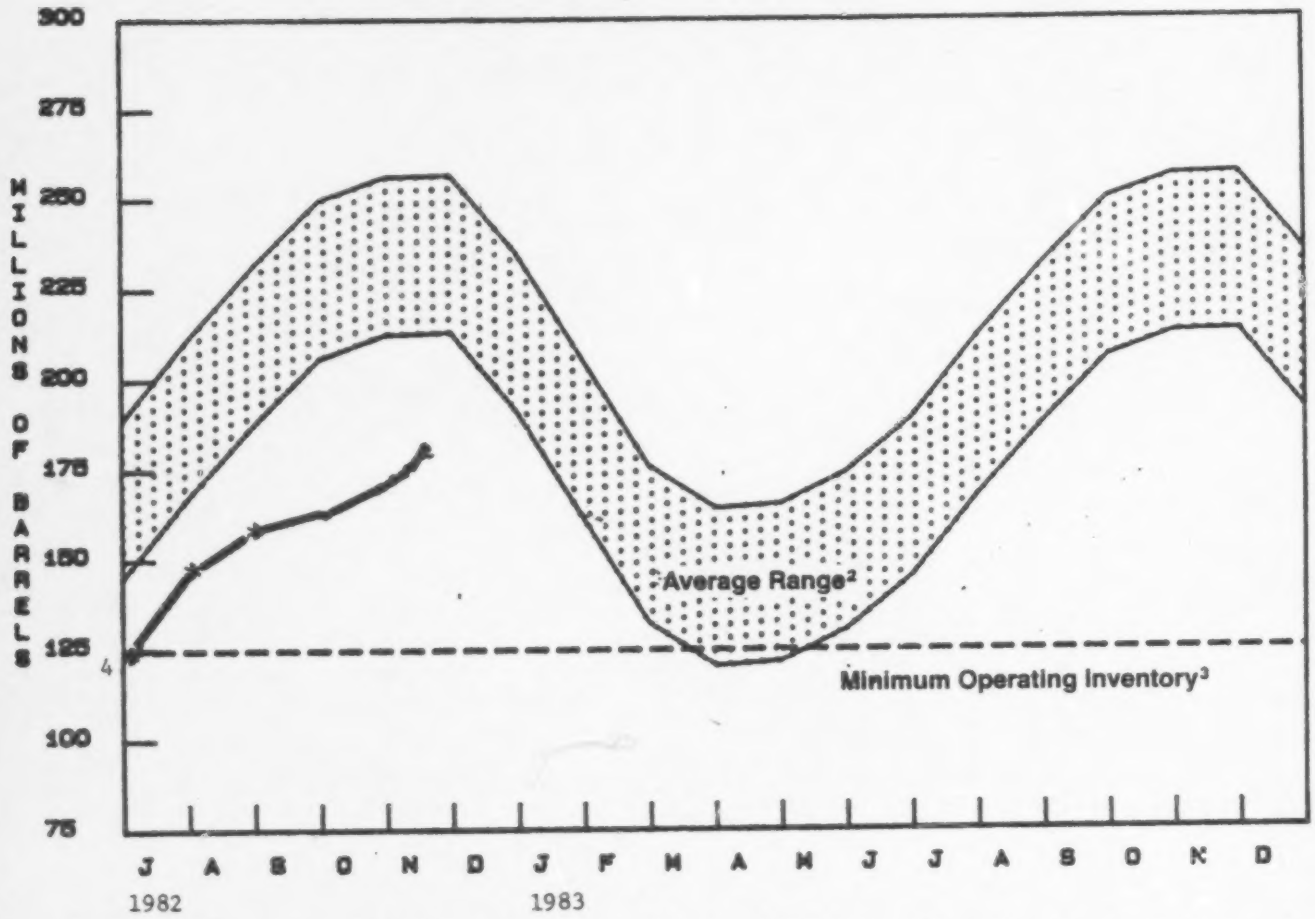
Data published in the Weekly Statistical Bulletin are estimates made by the API Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE montly data. Final monthly data are available in the DOE Monthly Petroleum Statement.

REVISIONS

11/12/82	PAGE 1	TOTAL REFINERY INPUT	EAST COAST	1,245
			DISTRICT 1 TOTAL	1,304
			TOTAL U.S.	13,047
			DISTRICTS 1-4	10,914
		CRUDE OIL RUNS	EAST COAST	1,157
			DISTRICT 1 TOTAL	1,211
			TOTAL U.S.	11,810
			DISTRICTS 1-4	9,802
		FOREIGN CRUDE RUNS	EAST COAST	1,063
			DISTRICT 1 TOTAL	1,063
			TOTAL U.S.	3,512
			DISTRICTS 1-4	3,381
		INPUT TO CRUDE OIL	EAST COAST	1,182
			DISTRICT 1 TOTAL	1,237
			TOTAL U.S.	12,165
			DISTRICTS 1-4	10,120
		O/O OPERATED	EAST COAST	75.3
			DISTRICT 1 TOTAL	74.2
			TOTAL U.S.	73.0
			DISTRICTS 1-4	74.5
	PAGE 2	TOTAL MOAS	DISTRICT 5 TOTAL	952
			TOTAL U.S.	6,130
	PAGE 3	TOTAL MOAS	DISTRICT 5 TOTAL	27,906
			TOTAL U.S.	230,514
		DISTILLATE FUEL	CENTRAL ATLANTIC	48,358
			EAST COAST	77,827
			DISTRICT 1 TOTAL	80,998
			DISTRICT 5 TOTAL	9,543
			TOTAL U.S.	176,561
			DISTRICTS 1-4	167,018
	PAGE 4 TOP	TOTAL CRUDE OIL IMPORTS	DISTRICTS 1-4 TOTAL	2,887
			TOTAL U.S.	2,902

Distillate Fuel Oil Stocks at Primary Level[1] [5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

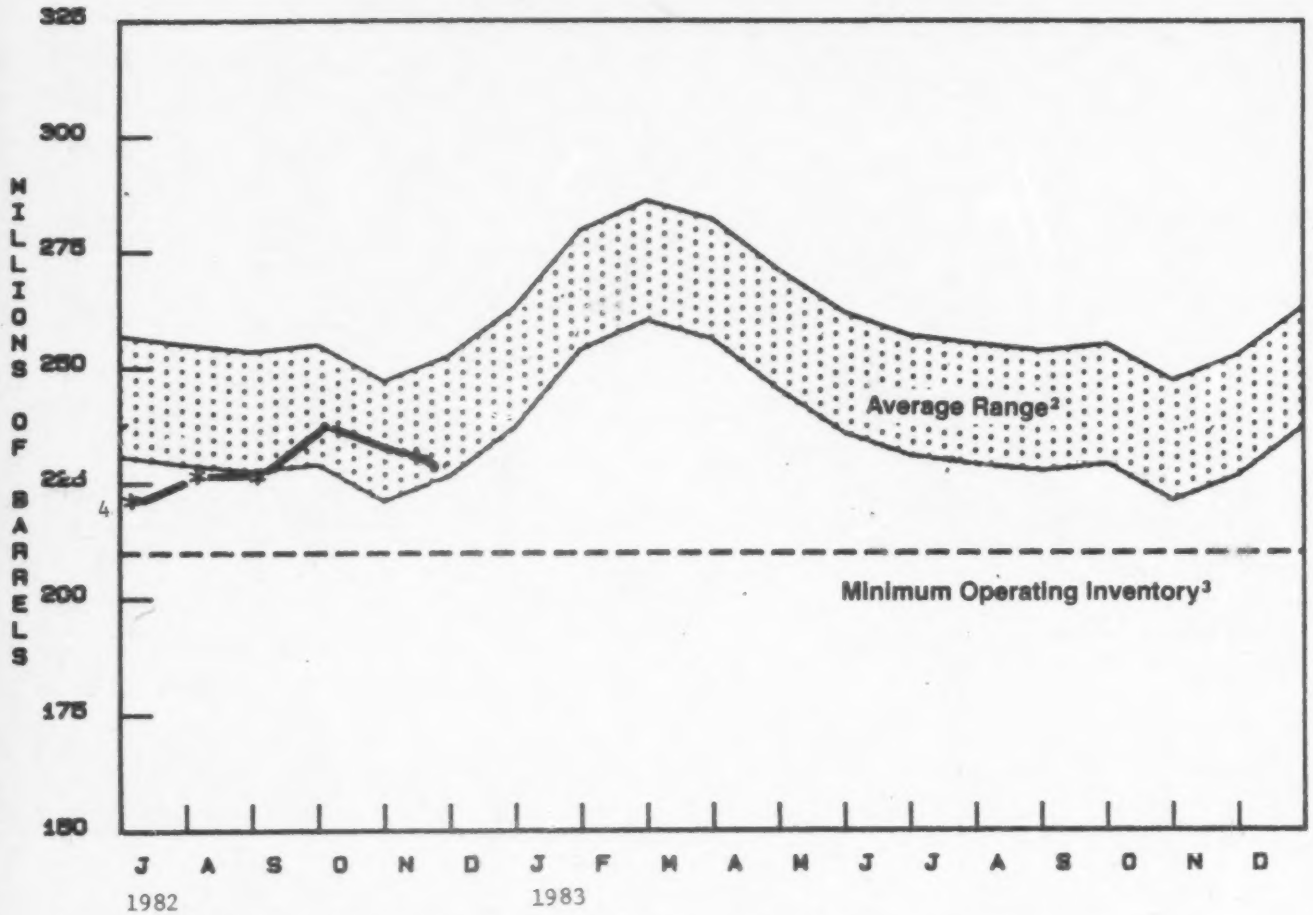
[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Week Ended NOVEMBER 19, 1982

Motor Gasoline Stocks at Primary Level[1,5]



[1]Product Stocks at the Primary Level include those held at refineries, in pipelines, and at major bulk terminals.

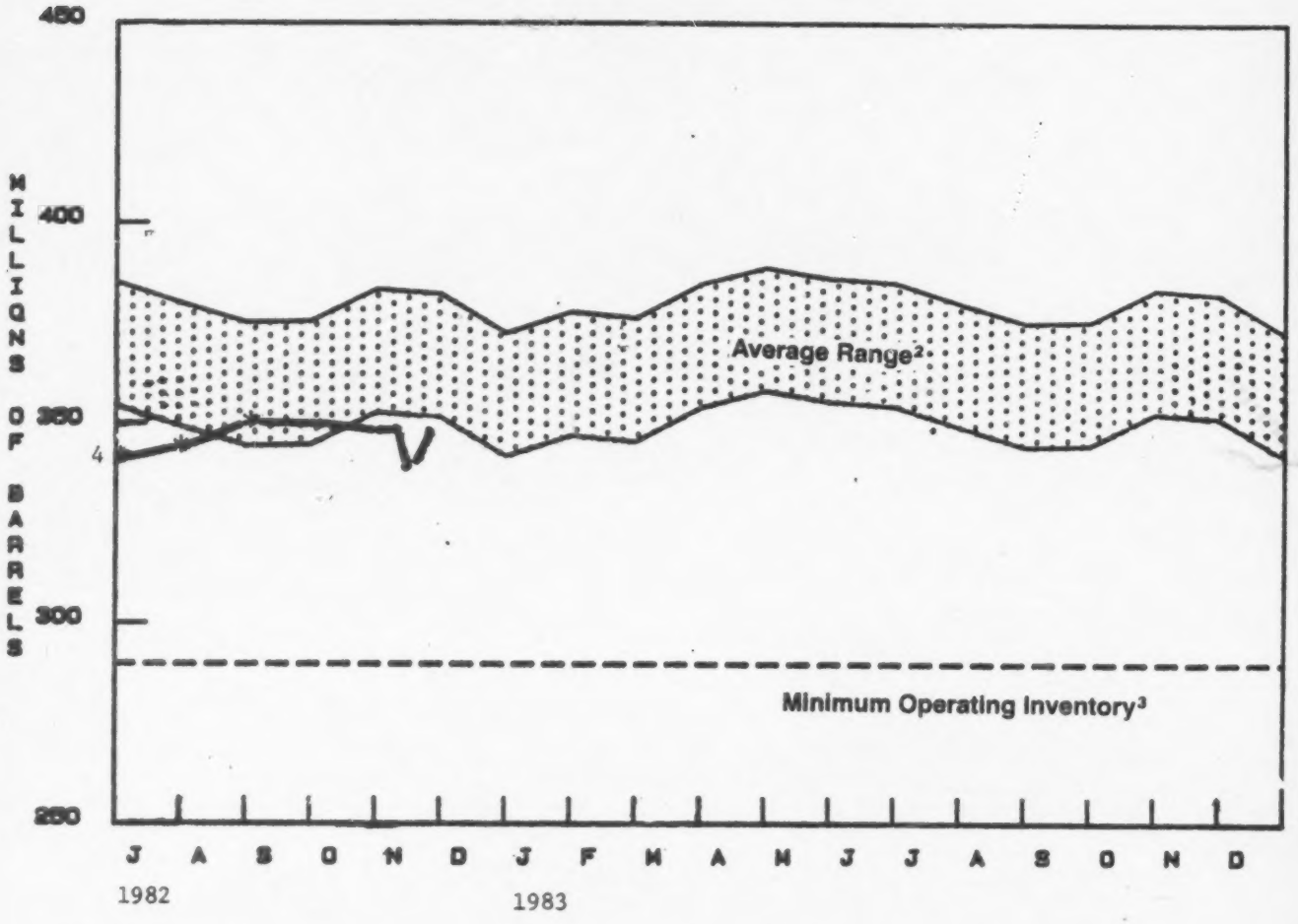
[2]Average level and width of average range, estimated by DOE, are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January 1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement, Monthly."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.

Crude Oil Stocks at Primary Level[1] [5]



[1]Crude Stocks at Primary Levels include those held at refineries, in-transit to refineries, in pipelines, and in lease tanks and do not include those held in the Strategic Petroleum Reserve.

[2]Average level, width of average range, estimated by DOE, and observed minimum are based on three years of monthly data: July 1979-June 1982. The seasonal pattern is based on seven years of monthly data: January-1975-December 1981.

[3]The National Petroleum Council defines the Minimum Operating Inventory as the minimum level required for routine operation. By their definition, runouts and shortages would occur if inventory levels fall below that level.

[4]Source: *— EIA, Energy Data Reports, "Petroleum Statement."
•— API, "Weekly Statistical Bulletin."

[5]The average level, width of average range and minimum operating inventory level are all based on historical data. Recent structural changes in demand patterns, operating units and logistical systems appear to have altered the basic requirements for petroleum distribution and indicated levels may now be overstated.